SEQ ID NO:1 FIGURE 1

CCGCGAGGTGCGCGGTCTCTTTAAGGCGGGTCCTGGTGGTTTCTGTTTCCTGAAGGAAGTGACGGGGGTGGGATTGAATGAAAAGTGCAAAACACAGGCTCGCAGCGCTGGA GGGCGCCTGCTGAGCGCTACCCACGTGCGTCCGCGCCACCTCGCGGGCGACCCCG CGGCCAAGGCCCCGGCGGAGCGGCTCCCGGGCGCCCCGAACTAGCCCCCAACTTT CGGCAGCGCCCCGGGGATGCGCCTTCCCGGGGTACCCCTGGCGCCCCTGCGCT GCGGGTCCGCGTGCGGCTGCCGGACGCCAGGTGACCGAGGAGAGCCTGCAGGCGG ACAGCGACGCGACAGCATCAGCCTCGAGCTGCGCAAGCCCGACGGCACCCTCGTC TCCTTCACCGCCGACTTCAAGAAGGATGTGAAGGTCTTCCGGGCCCTGATCCTGGGG GAGCTGGAGAAGGGGCAGAGTCAGTTCCAGGCCCTCTGCTTTGTCACCCAGCTGCA GCACAATGAGATCATCCCCAGTGAGGCCATGGCCAAGCTCCGGCAGAAAAATCCCC GGGCAGTGCGGCAGGCGGAGGAGGTTCGGGGTCTGGAGCATCTGCACATGGATGTC GCTGTCAACTTCAGCCAGGGGGCCCTGCTGAGCCCCCATCTCCACAACGTGTGTGCC AGGTGTGGACAGTTCTGTGTTCGAGGCTCTGCCCAAGGCCTCAGAGCAGGCGGAGC TGCCTCGCTGCAGGCAGGTGGGGGACCGCGGGAAGCCCTGCGTCTGCCACTATGGC ACGCCCTACAAGTGTGGCATCCGCAGCTGCCAGAAGAGCTACAGCTTCGACTTCTAC GTGCCCCAGAGGCAGCTGTGTCTCTGGGATGAGGATCCCTACCCAGGCTAGGGTGG GAGCAACCTGGGCGGGTGGCTGCTCTGGGCCCACTGCTCTTCACCAGCCACTAGAGG GAGCCTGGGCCCCTCTGGCCCCATCTCACATGACTGTGAAGGGGGTGTGGCATGGCA GGAGAGAGGGCTCCCCAGATCTACACCCCTCCCTCCTGCATCTCCCCTGGAGTGTT  ${\tt CACTTGCAAGCTGCCAAAACATGATGGCCTCTGGTTGTTCTGTTGAACTCCTTGAAC}$ GTTTAGACCCTAAAAGGAGTCTATACCTGGACACCCACCTCCCCAGACACAACTCCC TTCCCCATGCACACATCTGGAAGGAGCTGGCCCCTCAGTCCCTTCCTACTCCCCAAC AAGGGGCTCACTATCCCCAAAGAAGGAGCTGTTGGGGACCCACGACGCAGCCCCTG TACTGGATTACAGCATATTCTCATCTCTGGCCCCGAGGCTGCCTGTGGGGCGAGTGG AGACCTCCCATCACTGAGACAGATCACAGACCACGAGTGCCTTTCCCGGACCTGGAC GTTGCCTCCAAAACAGGCACCAGCTCTTTCCCTCTCTAGACAGAAATATTTTTGTAA GGTTCTGGGGCAGGGAGCATGAAGTACGAGGAAAACTTGAATTCCAGATTTT TAATGCAAAGTATTTATCATTTCTACCAGAAATAAACGTTTTAAGTTTTTACTTGACT AATGAGACCCAGAGTTTGGAGAAAACTTTTGGCCAATGCTGCCACCTGATGTCAGA AAGTGTCCCCACACCCTAGCAGTGGCCTATCTTGGAACAAGAACTTCGAAAGCACCT

#### FIGURE 1 (continued)

MRLPGVPLARPALLLLLPLLAPLLGTGAPAELRVRVRLPDGQVTEESLQADSDADSISLEL RKPDGTLVSFTADFKKDVKVFRALILGELEKGQSQFQALCFVTQLQHNEIIPSEAMAKLR QKNPRAVRQAEEVRGLEHLHMDVAVNFSQGALLSPHLHNVCAEAVDAIYTRQEDVRF WLEQGVDSSVFEALPKASEQAELPRCRQVGDRGKPCVCHYGLSLAWYPCMLKYCHSR DRPTPYKCGIRSCQKSYSFDFYVPQRQLCLWDEDPYPG\*

SEQ ID NO:3

FIGURE 3

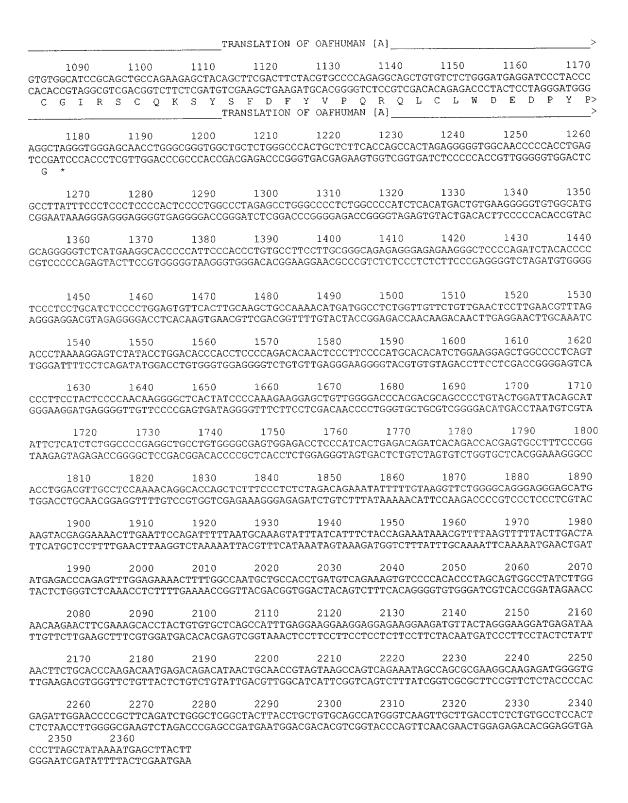
 ${\tt MRLPGVPLARPALLLLLPLLAPLLG\ TGAPA}$ 

the first first that the second secon

## FIGURE 4

		10			20							50								80			90
SEQ ID NO:1	CCGCGAG	GTG	CGC	GGT	CTCT'	TTAA	GGCG	GGI	CCTGG	rggttt	CTG:	TTTCCTGAP	GGAA	GTGA	CGG	GGG	GTG	GGA	TTG	AAT	GAAA	AGT	GCF
	GGCGCTC	100		CCA	3AGA. 110		cege 1					AAAGGACTT 140		JAC1 50	GUU		60			170			180
	AAACACA			CAG								CGGGGCAGC			CGC								
				GTC								SCCCCGTCG											
		190		~~ന	200							230 CGGCCAAGG		40		_	50 CCT			260 ccc			270 מידי
												GCCGGTTCC											
		280			290							320		30			40			350			360
												CGCGGCGCG GCGCGCGC											
SEQ ID NO:2	6666611	GAA.	ACC	JGC.	i i CA.	HACG	GACG															Μ	R
												OAFHUMAN											
		370										410 GCCGCTGCT								440 CGC			450 GC1
	GGAAGGG	CCC	CAT	GGG	GACC	GCGC	GGGA	CGC	GACGA	CGACGA	CGA(	CGGCGACGA	AGCGC(	GGCG	ACG	ACC	CTT	GCC	CAC	GCG	GCCG	GCT	'CG
	L P	G	V	P								P L I OAFHUMAN											
		1.00										500											54
												CCTGCAGGC											
	CGCCCAG	GCG	CAC	GCC	GACG	GCCT	GCCG	GTC	CACTG	GCTCCT	CTC	GGACGTCCG	CCTG'	rcgc	TGC	GCC	TGT	CGT	AGT	CGG.	AGCT	CGA	CG
	R V	R	· ·	R 	ь.	ט פ	G		V T TRANSI	E E ATION	OF	L Q A	I [A]	S	ע	Α	ט	S	1	S .	L E		
		550										590											63
												GGATGTGA											
												CCTACACTI D V K											
												OAFHUMAN											
		640			650		6	60		670		680	6:	90		7	00			710			72
												GCACAATGA											
												CGTGTTACT H N E											
			····	г	· ·	-7 1						OAFHUMAN											
		730			740		7	50		760		770	78	30		7	90			800			81
												GAGCATCT											
												CCTCGTAGA E H I											
												OAFHUMAN											
		820			830		8	40		850		860	8.	70		8	80			890			90
												FGCCATCTA											
												ACGGTAGAT A I Y											
												OAFHUMAN											
												950											99
												SCAGGCGGA CGTCCGCCT											
						E	A	L	P K	A S	E	Q A E	L	P	R	С	R	Q	V	G I	D R	G	;
			<b>-</b>	-					TRANSI	LATION	OF	OAFHUMAN	[A]_										
												1040											
	GCCCTGC	GTC'	TGC	CACT	ATG	SCCT	GAGC(	CTG	GCCTGG	STACCC	CTGC	CATGCTCAA	GTAC:	rgcc	ACA	GCC	GCG.	ACC	GGC	CCA	CGCC	CTA	CA

#### FIGURE 4 (continued)



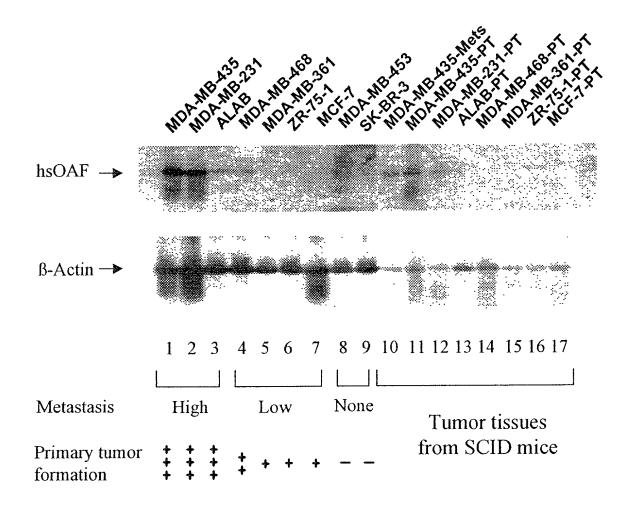
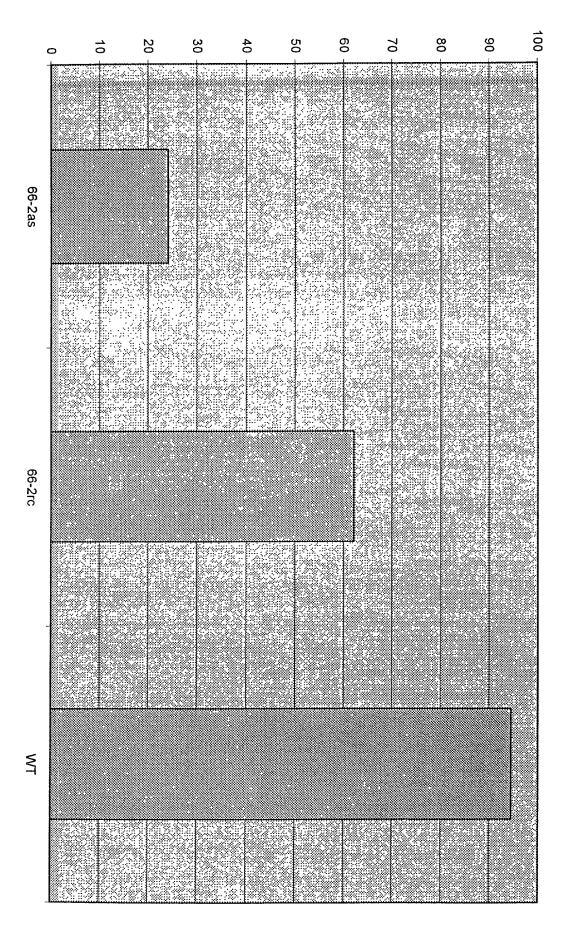
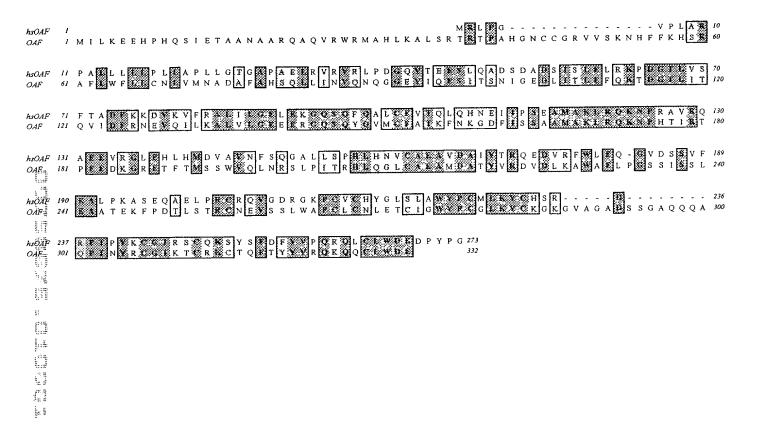


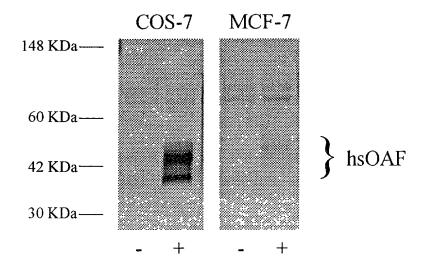
FIGURE 6

MDA-MB-435 soft agar colonies normalized to WST1

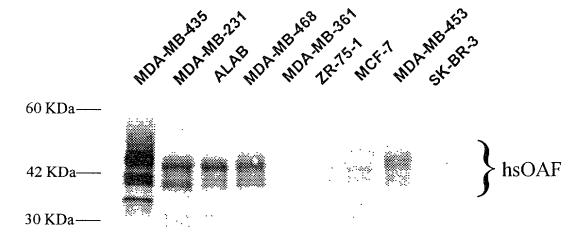


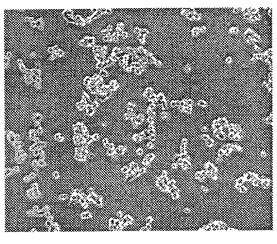
#### FIGURE 7



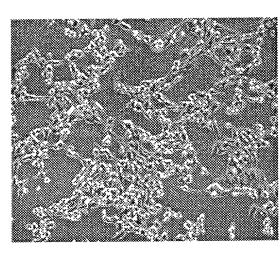


## FIGURE 8B



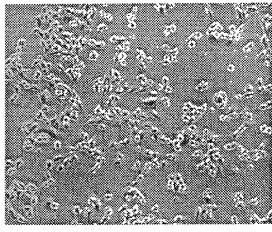


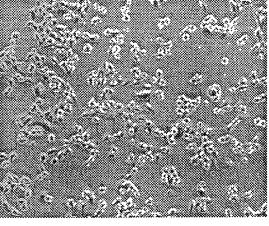


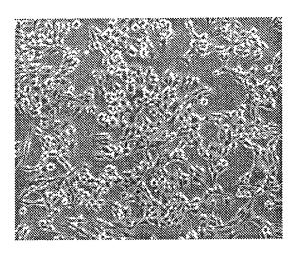


AS

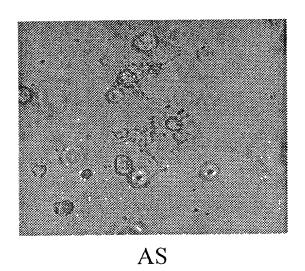


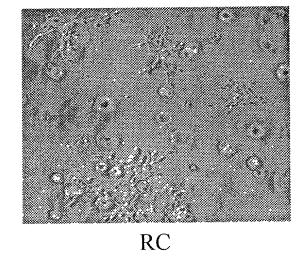


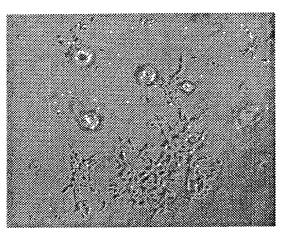


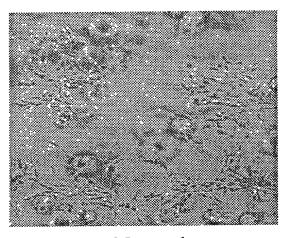


Normal AS+M









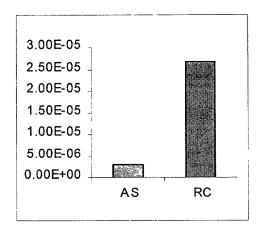
AS+M

Normal

2339 CTCCCTTAGCTATAAAATGAGCTTACTT-polyA

1 CAAAACACAGGCTCGCAGCGCTGGAGCCCGGGGCCGGGAGCCGGGGCCGGGGCAGCGCCGTCTCCGCCTCGGGGCCCCGGGGGGCCCCT GCTGAGCGCTACCCACGTGCGTCCGCGCCACCTCGCGGGCGACCCCGCGGCCAAGGCCCCCGGGGGGCGCCCCGAACT 179 AGCCCCCAACTTTGGGCGAAGTTTGCCTGCGCCTCTCCCCGCCCCCACGCGGCGCGCGGGGCCGCGGACGGCAGCGGCCCCCGGGGATG M 359 R L P G V P L A R P A L L L L P L L A P L L G T G A P A E CTGCGGGTCCGCGTGCGGCTGCCGGACGCCAGGTGACCGAGGAGAGCCTGCAGGCGGACAGCGACGCGACAGCATCAGCCTCGAGCTG 449 L R V R V R L P D G Q V T E E S L Q A D S D A D S I S L E L 32 539 R K P D G T L V S F T A D F K K D V K V F R A L I L G E L E 629 K G Q S Q F Q A L C F V T Q L Q H N E I I P S E A M A K L R CAGAAAAATCCCCGGGCAGTGCGGCAGGCGGAGGAGGTTCGGGGTCTGGAGCATCTGCACATGGATGTCGCTGTCAACTTCAGCCAGGGG 719 Q K N P R A V R Q A E E V R G L E H L H M D V A V N F S Q G A L L S P H L H N V C A E A V D A I Y T R Q E D V R F W L E 152 Q G V D S S V F E A L P K A S E Q A E L P R C R Q V G D R G 182 K P C V C H Y G L S L A W Y P C M L K Y C H S R D R P T P Y 212 AAGTGTGGCATCCGCAGCTGCCAGAAGAGCTTACAGCTTCGACTTCTACGTGCCCCAGAGGCAGCTGTGTCTCTGGGATGAGGATCCCTAC 1079 K C G I R S C Q K S Y S F D F Y V P Q R Q L C L W D E D P Y 242 1169 1259  $\tt CCTCCCTCCTGCATCTCCCCTGGAGTGTTCACTTGCAAGCTGCCAAAACATGATGGCCTCTGGTTGTTCTGTTGAACTCCTTGAACGTTT$ GTCCCTTCCTACTCCCCAACAAGGGGCTCACTATCCCCAAAGAAGGAGCTGTTGGGGACCCACGACGCACCCCTGTACTGGATTACAGC 1709 GGACCTGGACGTTGCCTCCAAAACAGGCACCAGCTCTTTCCCTCTCTAGACAGAAATATTTTTTGTAAGGTTCTGGGGCAGGGAGGAGGAGCA TGAAGTACGAGGAAAACTTGAATTCCAGATTTTTAATGCAAAGTATTTATCATTTCTACCAGAAATAAACGTTTTAAGTTTTTACTTGAC  ${\tt TAATGAGACCCAGAGTTTGGAGAAAACTTTTGGCCAATGCTGCCACCTGATGTCAGAAAGTGTCCCCACACCCTAGCAGTGGCCTATCTT}$ AAAACTTCTGCACCCAAGACAATGAGACAGACATAACTGCAACCGTAGTAAGCCAGTCAGAAATAGCCAGCGCGAAGGCAAGAGATGGGG 2159 2249  ${\tt TGGAGATTGGAACCCCGCTTCAGATCTGGGCTCGGCTACTTACCTGCTGTGCAGCCATGGGTCAAGTTGCTTGACCTCTCTGTGCCTCCAGCTTGAGCTTGAGCTTGAGCTTGAGCTTGAGCTTGAGCTTGAGCTTGAGCTTGAGCTTGAGCTTGAGCTTGAGCTTGAGCTTGAGCTTGAGCTTGAGCTTGAGGGTTGAGGGGTTGAGGGGTTGAGGGGTTGAGGGTTGAGGGTTGAGGGTTGAGGGGTTGAGGGGTTGAGGGGTTGAGGGGTTGAGGGGTTGAGGGGTTGAGGGTTGAGGGGTTGA$ 

### FIGURE 12A



# FIGURE 12B

